

U.S. Appln No. 09/476,485
Our Ref. No.: PHY-003US1/108236.119
Comm. Resp. to Examiner Inquiry dated November 22, 2004

EXHIBIT C

A copy of page 56 of the instant application providing the amino acid sequence of a DI-FRIL (SEQ ID NO:2).

The *D1-FRIL* nucleotide sequence enabled inference of the following derived amino acid sequence for the *D1-FRIL* protein:

AQSLSFSTK FDPNQEDLIF QGHATSTNNV LQVTKLDSAG NPVSSSAGR
 LYSAPLRLWE DSAVLTSFDT IINFEISTPY TSRIADGLAF FIAPPDSVIS
 5 YHGGFLGLFP NANTLNNSSST SENQTTKAA SSNVVAVEFD TYLNPDYGDP
 NYIHIGIDVN SIRSKVTAKW DWQNGKIATA HISYNSVSKR LSVTSYYAGS
 KPATLSYDIE LHTVLPEWVR VGLSASTGQD KERNTVHSWS FTSSLWTNVA
 KKENENKYIT RGVL

(SEQ ID NO:2)

10 The naturally-occurring signal sequence from the FRIL family member isolated from Dolichos lab lab (*i.e.*, *D1-FRIL*) has the following sequence:

MASSNLLTLA LFLVLLTHAN SA (SEQ ID NO: 4)

This sequence is located directly N-terminal to the first amino acid of SEQ ID NO: 2. The nucleic acid sequence of the naturally-occurring *D1-FRIL* protein is provided below.

1	ATGGCTTCCT CCAACTTACT CACCCTAGCC CTCTTCCTTG TGCTTCTCAC
51	CCACGCCAAC TCAGCCGCAC AGTCATTGTC ATTTAGTTTC ACCAAGTTTG
101	ATCCTAACCA AGAGGATCTT ATCTTCCAAG GTCATGCCAC TTCTACAAAC
151	AATGTCTTAC AAGTCACCAA GTTAGACAGT GCAGGAAACC CTGTGAGTTC
201	TAGTGCGGGA AGAGTGTAT ATTCTGCACC ATTGCGCCTT TGGGAAGACT
251	CTGCGGTATT GACAAGCTTT GACACCATT A TCAACTTTGA AATCTCAACA
301	CCTTACACTT CTCGTATAGC TGATGGCTTG GCCTTCTTCA TTGCACCAACC
351	TGACTCTGTC ATCAGTTATC ATGGTGTTTT TCTTGGACTC TTTCCCAACG
401	CAAACACTCT CAACAACTCT TCCACCTCTG AAAACCAAAC CACCACTAAG
451	GCTGCATCAA GCAACGTTGT TGCTGTTGAA TTTGACACCT ATCTTAATCC
501	CGATTATGGT GATCCAAACT ACATACACAT CGGAATTGAC GTCAACTCTA
551	TTAGATCCAA GGTAACTGCT AAGTGGGACT GGCAAAATGG GAAAATAGCC
601	ACTGCACACA TTAGCTATAA CTCTGTCTCT AAAAGACTAT CTGTTACTAG
651	TTATTATGCT GGGAGTAAAC CTGCGACTCT CTCCTATGAT ATTGAGTTAC
701	ATACAGTGCT TCCTGAATGG GTCAGAGTAG GGTATCTGC TTCAACTGG
751	CAAGATAAAG AAAGAAATAC CGTTCACTCA TGGCTTTCA CTTCAAGCTT
801	GTGGACCAAT GTGGCGAAGA AGGAGAATGA AAACAAGTAT ATTACAAGAG